

## ABSTRACT OF THE DISCLOSURE

This invention provides a projection system with an Electron-beam Controlled Micromirror (ECM) display system. The ECM device overcomes the problems of high cost, and low yields associated with similar techniques. The ECM device is ideally used in high definition projection display applications. The ECM consists of five layers, i.e., a transparent substrate, a transparent conducting film, a micromirror array, an insulation membrane, and a patterned collector grid that is attached on the membrane.